

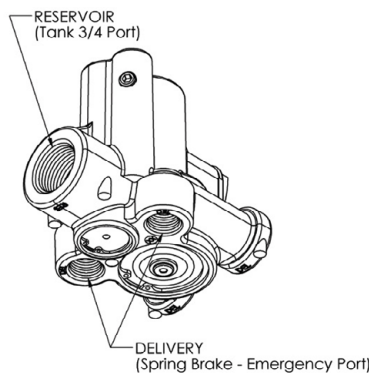
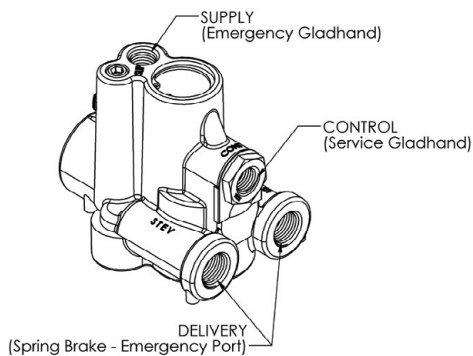
# THE STEV<sup>®</sup>

## "SENSING" TRAILER EMERGENCY VALVE

THE "SENSING" TRAILER EMERGENCY VALVE PROVIDES SERVICE RESERVOIR PRIORITY LOGIC



- Provides service brake priority to assure adequate supply is available from the tractor.
- The logic of the STEV valve assures that the trailer parking brakes will not release before there is sufficient air pressure in the reservoir to apply service brakes.
- The STEV<sup>®</sup> meets the requirements of FMVSS 571.121 as they relate to trailer parking brake and trailer air supply control.
- There is NO spring brake drag with the TEV and STEV systems!

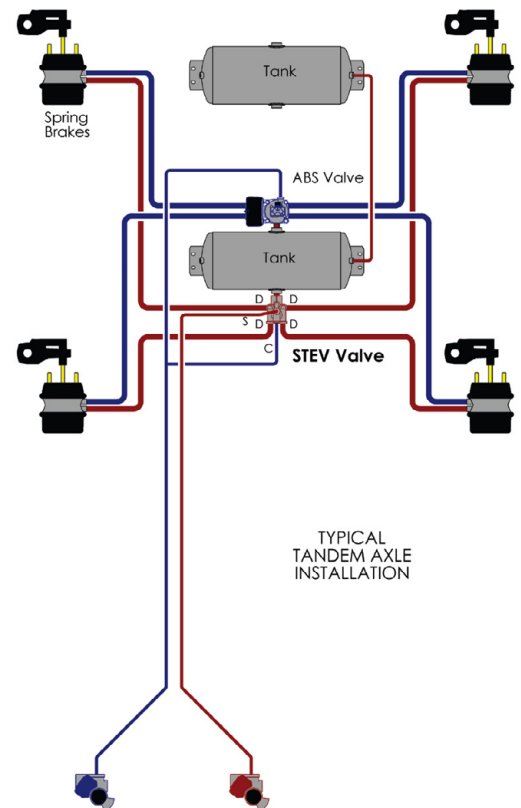


**REPLACES:**

Sealco 110700 and Haldex KN26110

**PORTS:**

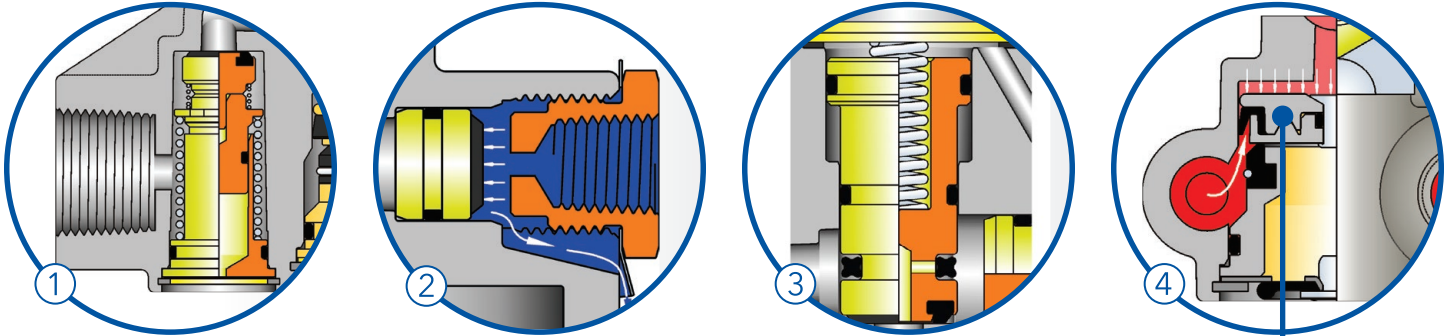
SUPPLY: 1/4-18 NPTF  
 CONTROL: 1/4-18 NPTF  
 DELIVERY (4): 3/8-18 NPTF  
 RESERVOIR: 3/4-14 NPTF



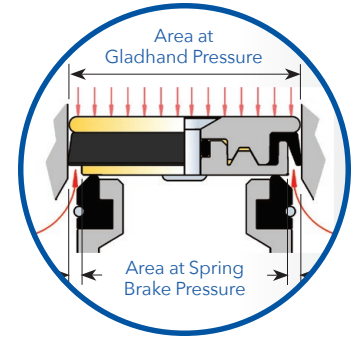
**THE STEV<sup>®</sup>**

P/N	DESCRIPTION
51321	STEV Valve Assembly
51325	STEV Emergency Valve Rebuild Kit

# THE STEV<sup>®</sup> "SENSING" TRAILER EMERGENCY VALVE

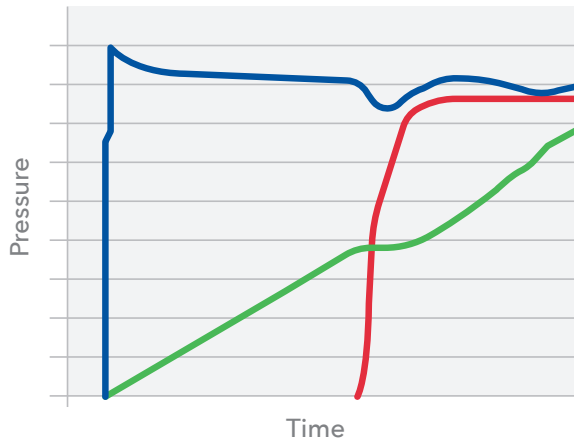


- 1. PRESSURE PROTECTION:** When the supply line pressure exceeds 85 psi, the piston shifts down to allow flow to the tank. The check valve retains tank pressure when the gladhand is vented.
- 2. VENTING ANTI-COMPOUNDING:** When the Spring Brakes are On, the Control line is Vented to Atmosphere. Prevents false release of Spring Brakes on Doubles; Ejects fluids trapped in Control Lines.
- 3. RESERVOIR SENSOR:** The reservoir sensor section measures the tank pressure and prevents air from flowing into the spring brakes before service braking capability builds in the system.
- 4. By Design, the Spring Brakes will retain the maximum pressure delivered by the compressor, until the supply gladhand pressure drops to about 35 psi. The effective area of the shuttle at gladhand pressure is about 3 times that of the area exposed to spring brake pressure. Area X Pressure = the Force to Retain or Exhaust the pressure in the spring brakes.**



## RESERVOIR CHARGING:

- Supply
- Spring Brakes
- Tank



Tramec Sloan, LLC.  
 TRAMECSLOAN.COM  
 P: 800.336.7778  
 F: 877.286.6515

LIT-FS-39 | V. 031116